

## **805 KAR 4:040. Instrumentation.**

RELATES TO: KRS 351.330

STATUTORY AUTHORITY: KRS 351.330, 351.335(1)

NECESSITY, FUNCTION, AND CONFORMITY: KRS 351.335(1) authorizes the Department for Natural Resources to promulgate any administrative regulations necessary to effectuate the provisions of KRS 351.315 to 351.375. KRS 351.330 requires the Department for Natural Resources to limit ground vibrations. This administrative regulation establishes specifications and guidelines for equipment used to monitor ground vibrations and air blasts from blasting operations and provides guidelines for the use of this equipment to ensure that the reading taken from this equipment is accurate.

Section 1. Instrumentation. (1) A direct reading velocity instrument shall not be approved by the Department for Natural Resources unless it:

(a) Has a frequency range equal or greater than five (5) cycles per second to 150 cycles per second;

(b) Has a velocity range from zero to two (2.0) inches per second or greater; and

(c) Meets the standards established by the Department for Natural Resources.

(2) Any seismic reports submitted to this office for compliance or petition shall be made using a direct-reading velocity seismograph and accompanied by the most recent calibration report of the seismograph.

(3) All velocity seismographs used for compliance or petition shall have internal calibration capability and shall be operated in accordance with the recommendations included in the "ISEE" Field Practice Guidelines for Blasting Seismographs".

Section 2. Incorporation by Reference. (1) The "ISEE Field Practice Guidelines for Blasting Seismographs" published by the International Society of Explosive Engineers and included as Appendix K of the ISEE Blaster's Handbook, 17th edition, Second Printing, 2000, is incorporated by reference.

(2) This material may be inspected, copied, or obtained, subject to applicable copyright law, at the Department for Natural Resources, 300 Sower Boulevard, Frankfort, KY 40601, Monday through Friday, 8 a.m. to 4:30 p.m. (E&B-M&M-4; 1 Ky.R. 1073; eff. 6-11-1975; 29 Ky.R. 184; 711; eff. 9-16-2002; TAm eff. 8-9-2007; TAm eff. 7-6-2016; Crt eff. 6-27-2018.)